SYSTEM AND METHOD FOR MINIMIZING UNWANTED RE-NEGOTIATION OF A PASSIVE RFID TAG

ABSTRACT OF THE DISCLOSURE

A system and method is provided for minimizing the unwanted re-negotiation of passive RFID tags. Each tag stores a confirmed read flag to indicate whether the tag has been previously read. During subsequent interrogations of the tag population, the reader has the capability to address all tags in a tag population or to address only unread tags. When addressing all tags, the reader sends a symbol causing all tags to ignore their confirmed read flag value. Each tag may also clear its confirmed read flag when this symbol is received. When addressing only unread tags, the reader sends a symbol causing each tag to evaluate its confirmed read flag value. Those tags that have a confirmed read flag value indicating "read" will enter dormant state and will not be re-negotiated. Those tags that have a confirmed read flag value indicating "not read" will continue to communicate with the reader.

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